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QUESTION# 1

Basic and derived properties of SI system

Basic properties

Basic Properties	symbols	units
• <i>Length</i>	<i>L</i>	<i>meter</i>
• <i>Time</i>	<i>T</i>	<i>second</i>
• <i>Amount of substance</i>	<i>mol</i>	<i>mole</i>
• <i>Electric current</i>	<i>A</i>	<i>Ampere</i>
• <i>Temperature</i>	<i>t</i>	<i>kelvin</i>
• <i>Luminous intensity</i>	<i>cd</i>	<i>candela</i>
• <i>Mass</i>	<i>M</i>	<i>kilogram</i>

Derived properties

• Acceleration	a	meter/second square
• Velocity	v→	meter/second
• Speed	v	meter/second
• Momentum	p	kg· m/s
• Force	F	newton

QUESTION# 2

Name	Symbols	value	power of ten	names
Deca	da	10	10(1)	ten
Kilo	K	1000	10(3)	thousand
Centi	c	0.01	10(-2)	hundredth
Giga	G	1,000,000,000	10(9)	billion (S)
Nano	n	0.000000001	10 (-9)	billionth (US)
Pico	p	0.000000000001	10 (-12)	trillionth (US)

QUESTION# 3

Name	symbols
Beta	β
Gamma	γ
Pi	π
Epsilon	ϵ
Omega	Ω
Infinity	∞